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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/812,945	03/27/2001	Hsuan-Yin Lan-Hargest	12938-002001	5280
27890	7590	09/25/2006	EXAMINER	
STEPTOE & JOHNSON LLP 1330 CONNECTICUT AVENUE, N.W. WASHINGTON, DC 20036			WANG, SHENGJUN	
			ART UNIT	PAPER NUMBER
			1617	

DATE MAILED: 09/25/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/812,945

Applicant(s)

LAN-HARGEST ET AL.

Examiner

Shengjun Wang

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 27 June 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7, 10-15, 17, 18, 21-24, 33-44, 46-53 and 67-85 is/are pending in the application.
- 4a) Of the above claim(s) 3, 11, 13-15, 21-24, 33-39, 43, 47-53 and 67-75 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1, 2, 4-7, 10, 12, 17, 18, 40, 42, 44, 46 and 83 is/are rejected.
- 7) ☒ Claim(s) 41, 76-82, 84, 85 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Receipt of applicants' amendments and remarks submitted June 27, 2006 is acknowledged.

This application contains claims 1-7, 10-15, 17-18, 21-24, 33-44, 46-53, 67-75 read on to an invention nonelected with traverse in Paper filed April 11, 2005 and October 11, 2005, also see the office action mailed November 6, 2001. A complete reply to the final rejection must include cancellation of nonelected claims or other appropriate action (37 CFR 1.144) See MPEP § 821.01. Particularly, claim 1 has to be amended so that be limited to elected invention only.

Claims Objections

1. Claims 41, 76-82, 84-85 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claim Rejections 35 U.S.C. 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-2, 4-7, 9-10, 12, 17-18, 40, 42, 44-46 are rejected under 35 U.S.C. 102(b) as being anticipated by Parsons et al (WO 98/55449).

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4. Parsons teaches a method of inhibiting cancer cell growth by contacting the cell with a histone deacetylation inhibiting hydroxamic acids, wherein the hydroxamic acids have an polar group linked to the hydroxamic acid moiety through a linker, wherein the polar group may be amino (CNH₂, CNR), hydroxyalkyl, haloalkyl, and wherein the polar group may have aryl substituents. The linker may contain unsaturated carbon-carbon bond. See, particularly, the abstract, pages 6-16, and particularly, compound Vd in claim 15. Note the claims as currently pending read as "said hydrocarbone chain being optionally substituted with ... amino, nitro, cyan,..." and further being optionally interrupted by -), N(Re)- -N(Re)-C(O)-O-, O-C(O)-N(Re)-, ..." Therefore, the claims read on the compounds defined by Parsons et al., e.g., an compounds with formula of Ary-CHNH₂-linker-C(O)NH-OH (substituted), or Ary-NR-linker-C(O)NH-OH (interrupted). Further, compounds recited in claims 83 would read on the compound disclosed by Parsons et al., i.e., X1 is dimethylamino.

Claim Rejections 35 U.S.C. 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 1-2, 4-7, 9-10, 12, 17-18, 40, 42, 44-46, and 83 are rejected under 35 U.S.C. 103(a) as being unpatentable over Parsons et al (WO 98/55449).

7. Parsons teaches a method of inhibiting cancer cell growth by contacting the cell with a histone deacetylation inhibiting hydroxamic acids, wherein the hydroxamic acids have an polar

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group linked to the hydroxamic acid moiety through a linker, wherein the polar group may be amino, hydroxyalkyl, haloalkyl. The linker may contain unsaturated carbon-carbon bond. See, particularly, the abstract, pages 6-16, and particularly, compounds Vg and Vd in claim 15. Note the claims as currently pending read as "said hydrocarbon chain being optionally substituted with ... amino, nitro, cyano, ..." and further being optionally interrupted by -), N(Re)- N(Re)-C(O)-O-, O-C(O)-N(Re)-, ..." Therefore, the claims read on the compounds defined by Parsons et al., e.g., an compounds with formula of Ary-CHNH₂-linker-C(O)NH-OH (substituted), or Ary-NR-linker-C(O)NH-OH (interrupted). Further, compounds recited in claims 82 would read on the compound disclosed by Parsons et al., i.e., X1 is dimethylamino, claim 83 is obvious because of the polar substituent, Chloro group.

8. Parsons et al do not teach expressly the employment of the particular compounds herein for treating cancer.

However, it would have been prima facie obvious to a person of ordinary skill in the art, at the time the claimed the invention was made, to use the compounds herein for treating cancer because those compounds are disclosed as useful for treating cancer. The employment of the particular compounds herein is seen to be a selection from amongst equally suitable material and as such obvious. Ex parte Winters 11 USPQ 2nd 1387 (at 1388).

Response to the Arguments

Applicants' remarks submitted June 27, 2006 have been fully considered, but are not persuasive.

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Applicants assert that X1 as defined in the general formula of Parson does not encompass a cyclic moiety as required in the claims. The assertion is incorrect. Note both R1 and R2 attached to X1 may be aryl, cycloalkyl, or heterocyclic moiety. See, particularly, See, particularly, the abstract, pages 6-16, and particularly, compound Vd in claim 15. Applicants' attention is further directed to page 16, wherein compounds with various cyclic moieties are disclosed. Therefore, Parson clearly teaches compounds with cyclic moiety.

For the reasons set forth above, the rejections are maintained.

9. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shengjun Wang whose telephone number is (571) 272-0632. The examiner can normally be reached on Monday to Friday from 7:00 am to 3:30 pm.


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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sreeni Padmanabhan, can be reached on (571) 272-0629. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

SHENGJUN WANG

PRIMARY EXAMINER


Shengjun Wang
Primary Examiner
Art Unit 1617